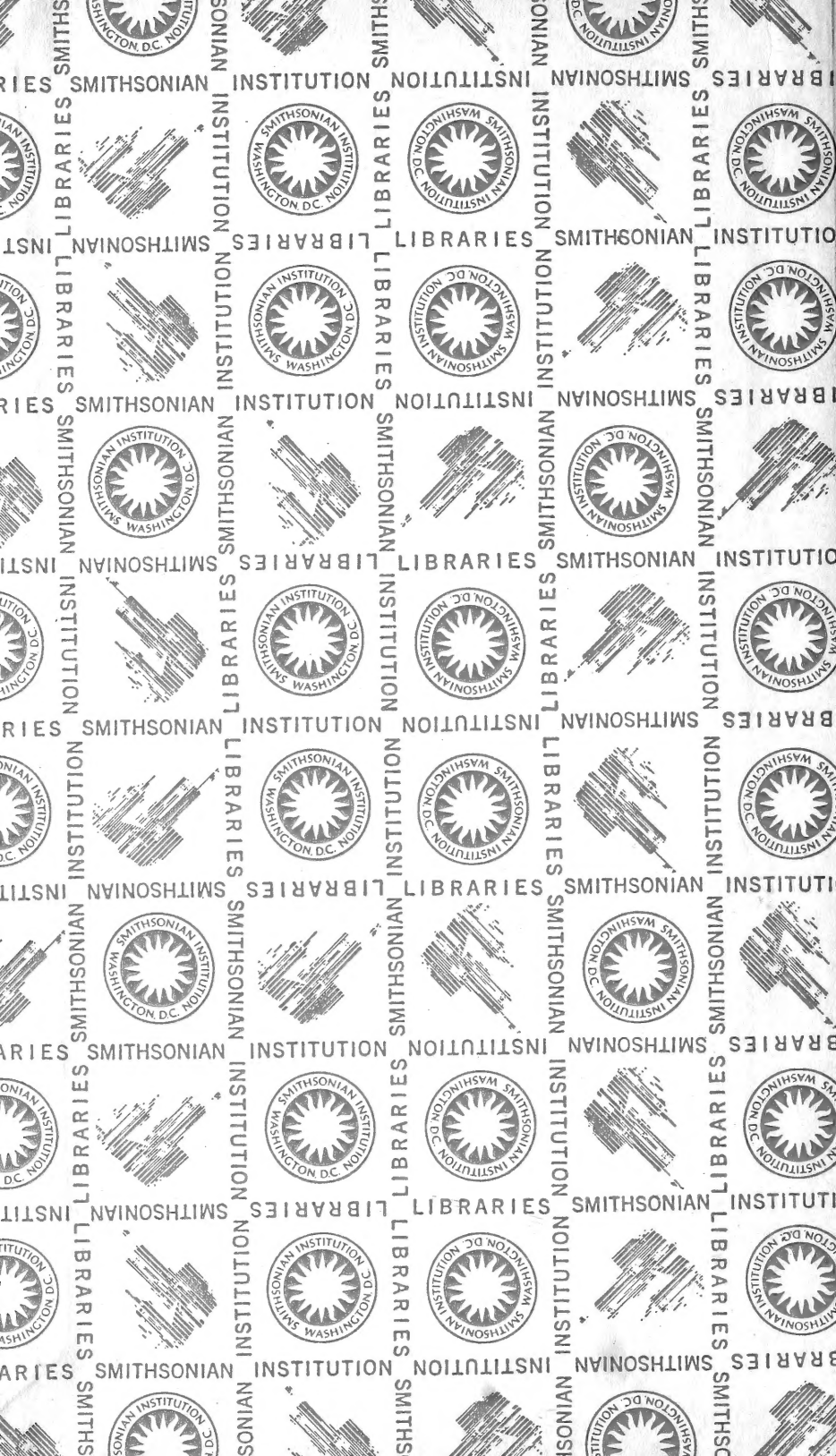
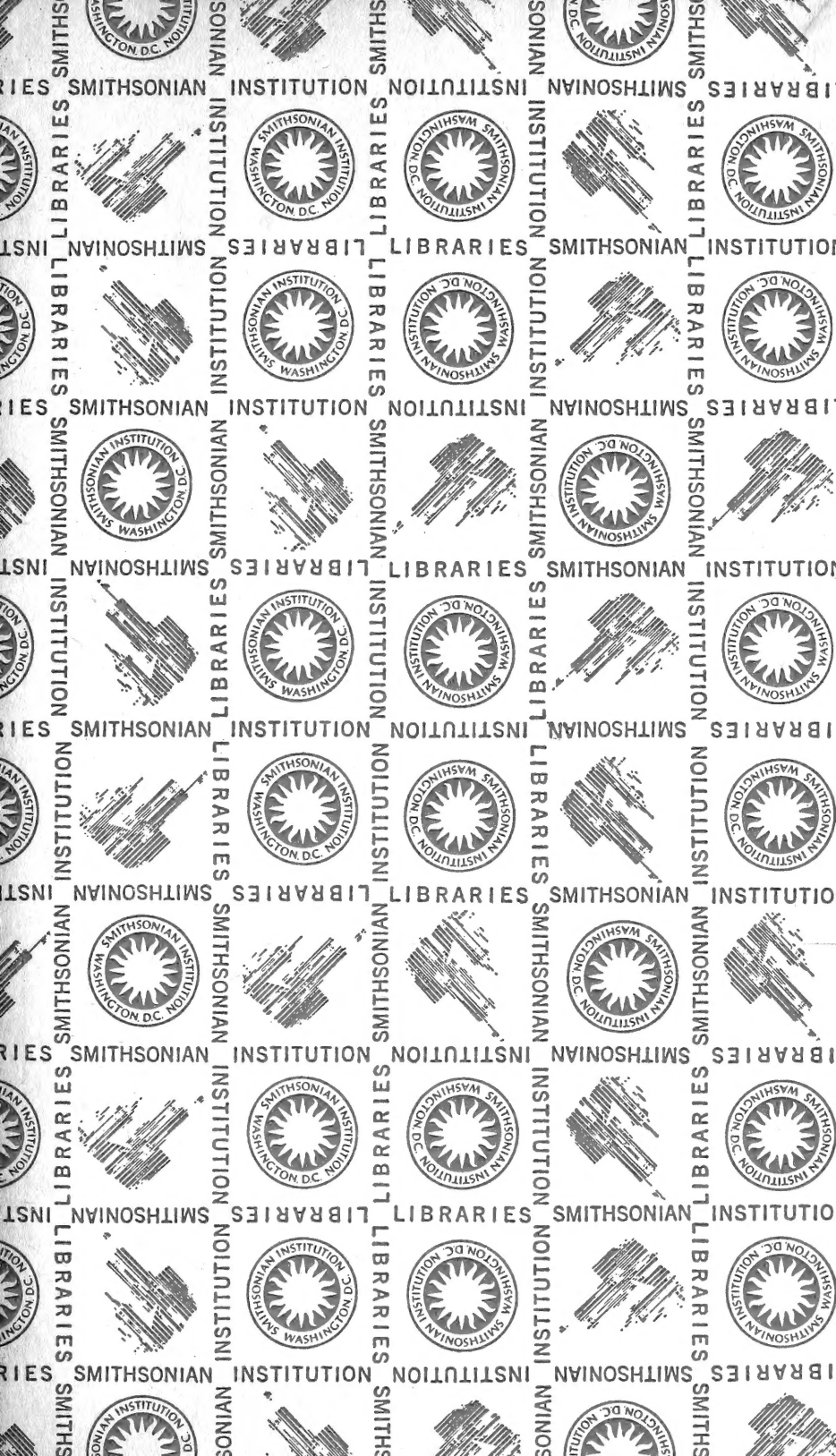


SMITHSONIAN  
LIBRARIES





STIT

E

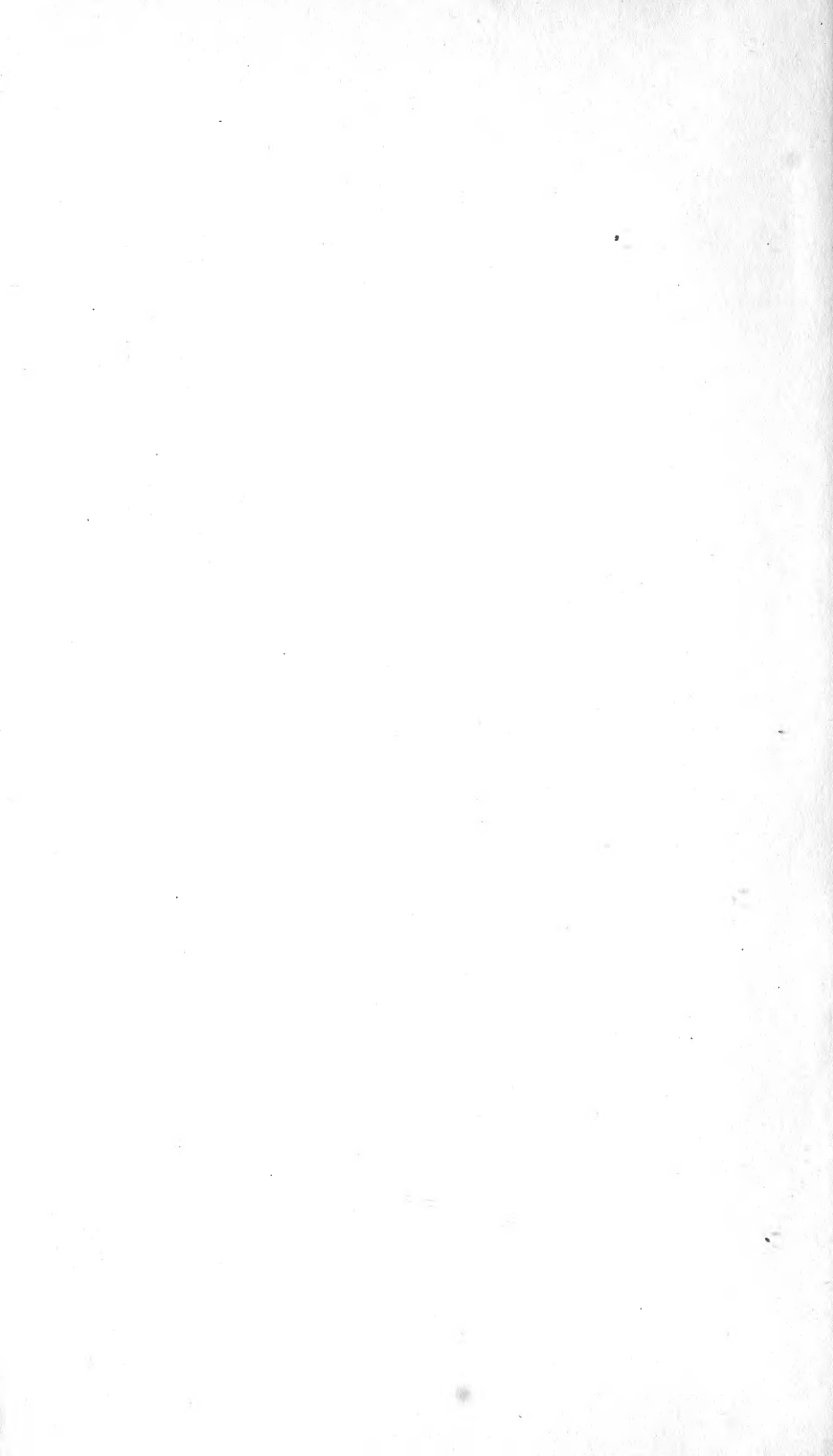
INSTITUTION

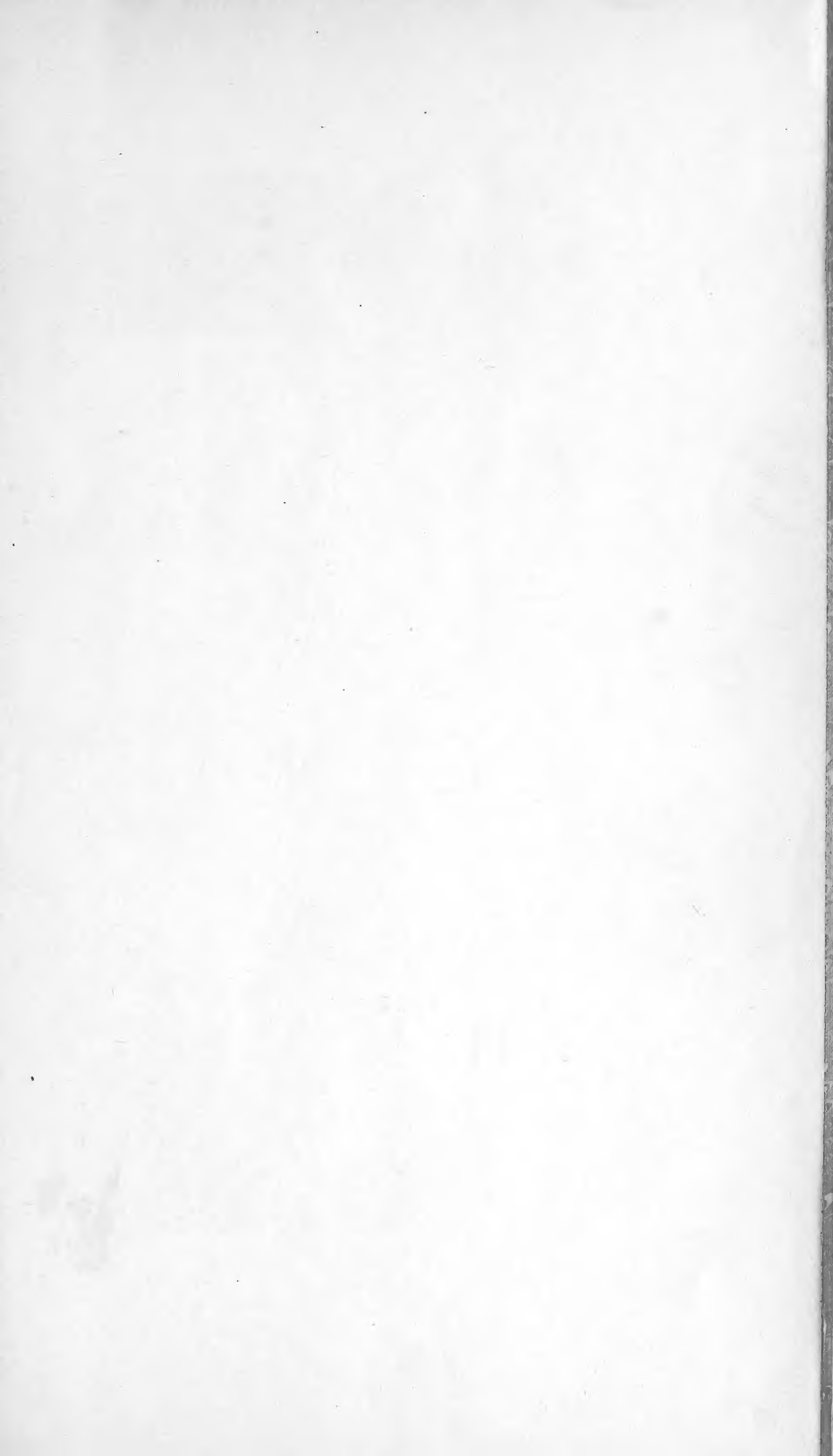
ST

Y  
LONDON

E











208  
M<sup>o</sup>



6 70 843  
n.m.  
University of the State of New York

BULLETIN

OF THE

NEW YORK STATE MUSEUM

Vol. I.—No. 1

March 1892

PRELIMINARY LIST OF NEW YORK UNIONIDÆ

BY

WILLIAM B. MARSHALL

ASSISTANT ZOOLOGIST

243681

MAY 23 1892

Cancelled

ALBANY

UNIVERSITY OF THE STATE OF NEW YORK

1892

## Regents

---

GEORGE WILLIAM CURTIS, LL. D., L. H. D., *Chancellor*

ANSON J. UPSON, D. D., LL. D., *Vice-Chancellor*

ROSWELL P. FLOWER, Governor

WILLIAM F. SHEEHAN, Lieutenant-Governor

FRANK RICE, Secretary of State

ANDREW S. DRAPER, LL. D., Superintendent of Public Instruction

} *Ex-officio*

### *In order of election by the legislature*

GEORGE WILLIAM CURTIS, LL. D., L. H. D., 1864	- -	West New Brighton
FRANCIS KERNAN, LL. D., 1870	- - -	Utica
MARTIN I. TOWNSEND, LL. D., 1873	- - -	Troy
ANSON J. UPSON, D. D., LL. D., 1874	- - -	Glens Falls
WILLIAM L. BOSTWICK, 1876	- - -	Ithaca
CHAUNCEY M. DEPEW, LL. D., 1877	- - -	New York
CHARLES E. FITCH, 1877	- - -	Rochester
ORRIS H. WARREN, D. D., 1877	- - -	Syracuse
WHITELAW REID, LL. D., 1878	- - -	New York
WILLIAM H. WATSON, M. D., 1881	- - -	Utica
HENRY E. TURNER, 1881	- - -	Lowville
ST CLAIR MCKELWAY, LL. D., 1883	- - -	Brooklyn
HAMILTON HARRIS, LL. D., 1885	- - -	Albany
DANIEL BEACH, LL. D., 1885	- - -	Watkins
WILLARD A. COBB, 1886	- - -	Lockport
CARROLL E. SMITH, 1888	- - -	Syracuse
PLINY T. SEXTON, 1890	- - -	Palmyra
T. GUILFORD SMITH, M. A., 1890	- - -	Buffalo
Rt. Rev. WILLIAM CROSWELL DOANE, DD., LL. D., 1892	-	Albany

---

MELVIL DEWEY, M. A., *Secretary* - - - - - Albany

507.73  
N7N75

## PRELIMINARY LIST OF NEW YORK UNIONIDÆ

### INTRODUCTION

Unless otherwise stated all the species in the following list are represented in the collection of the New York State Museum by specimens from localities within the limits of the state of New York or from the Alleghany river at Warren, Penna., just south of the New York boundary. A name printed in *italics* indicates that the species has been included without positive evidence that it inhabits New York.

This list has been prepared for distribution among conchologists with a view to obtaining data bearing upon the geographical distribution of the Unionidæ inhabiting the state of New York. For this reason the names of the species have been arranged alphabetically and a space for notes has been left under the name of each species.

Recipients are requested to furnish the undersigned with all information in their possession regarding:

- 1 The general distribution of each species.
- 2 The distribution of each species in the state of New York.
- 3 The causes which tend to restrict or extend the habitat of each species in the state of New York.
- 4 The reasons why there are numerous species in the waters of the western part of the state and few species in the waters of the eastern part.

The general distribution of each species can be given by a list of all localities in which the species is known to occur; or by a list of selected localities which will serve to show the streams inhabited by the species and the extreme points at which it has been found.

The distribution of each species in the state of New York can be best shown by a list of all localities in which the species is known to occur.

All information placed at the disposal of the undersigned will be thankfully received and duly acknowledged in a subsequent list.

Contributions of specimens with well-preserved beaks are respectfully solicited for the collection of the New York State Museum.

WILLIAM B. MARSHALL

New York State Museum

Albany, N. Y.,

*February 12, 1892.*

## NEW YORK UNIONIDÆ

1 *alatus* (Unio), Say.

2 *anodontoides* (Unio), Lea.

3 *Benedictii* (Anodonta), Lea.

4 *Boydianus* (*Unio*), Lea.

5 *cariosus* (*Unio*), Say.

6 *clavus* (*Unio*), Lamarck.

7 *coccineus* (*Unio*), Lea.

8 *complanata* (*Margaritana*), Barnes.



9 complanatus (Unio), Solander.

10 crassidens (Unio), Lamarck.

11 *deltoidea* (*Margaritana*), Lea.

12 edentula (Anodonta), Say.

13 *elegans* (Unio), Lea.

14 *ellipsis* (*Unio*), Lea.

15 *fabalis* (*Unio*), Lea.

16 \**Ferussaciana* (*Anodonta*), Lea.

17 *fluviatilis* (*Anodonta*), Dillwyn.

18 *Footiana* (*Anodonta*), Lea.

19 fragilis (Anodonta), Lamarck.

20 gibbosus (Unio), Barnes.

21 gigantea (Anodonta), Lea.

22 gracilis (Unio), Barnes.

23 heterodon (Unio), Lea.

24 *Hildrethiana* (*Margaritana*), Lea.

25 \*hippopæus (*Unio*), Lea.

26 imbecillis (*Anodonta*), Say.

27 implicata (*Anodonta*), Say.

28 iris (*Unio*), Lea.

\* Lake Erie — Lea. Typical locality.

29 lacustris (Anodonta), Lea.

30 lævissimus (Unio), Lea.

31 Lewisii (Anodonta), Lea.

32 ligamentinus (Unio), Lamarck.

33 luteolus (Unio), Lamarck.

34 margaritifera (Margaritana), Linnæus.

35 marginata (Margaritana), Say.

36 multiradiatus (Unio), Lea.

37 nasutus (Unio), Say.

38 Novi-Eboraci (Unio), Lea.

39 *occidens* (Unio), Lea.

40 *ochraceus* (Unio), Say.

41 *ovatus* (Unio), Say.

42 *parvus* (Unio), Barnes.

43 *patulus* (Unio), Lea.

44 \*pavonia (Anodonta), Lea.

45 perplexus (Unio), Lea.

46 phaseolus (Unio), Hildreth.

47 \*plana (Anodonta), Lea.

48 pressus (Unio), Lea.



49 *pustulatus* (*Unio*), Lea.

50 *radiatus* (*Unio*), Lamarck.

51 *rectus* (*Unio*), Lamarck.

52 *rubiginosus* (*Unio*), Lea.

53 *rugosa* (*Margaritana*), Barnes.

54 *spatulatus* (*Unio*), Lea.

55 *subcylindracea* (*Anodonta*), Lea.

56 *Tappanianus* (*Unio*), Lea.

57 *\*triangularis* (*Unio*), Barnes.

58 *trigonus* (*Unio*), Lea.

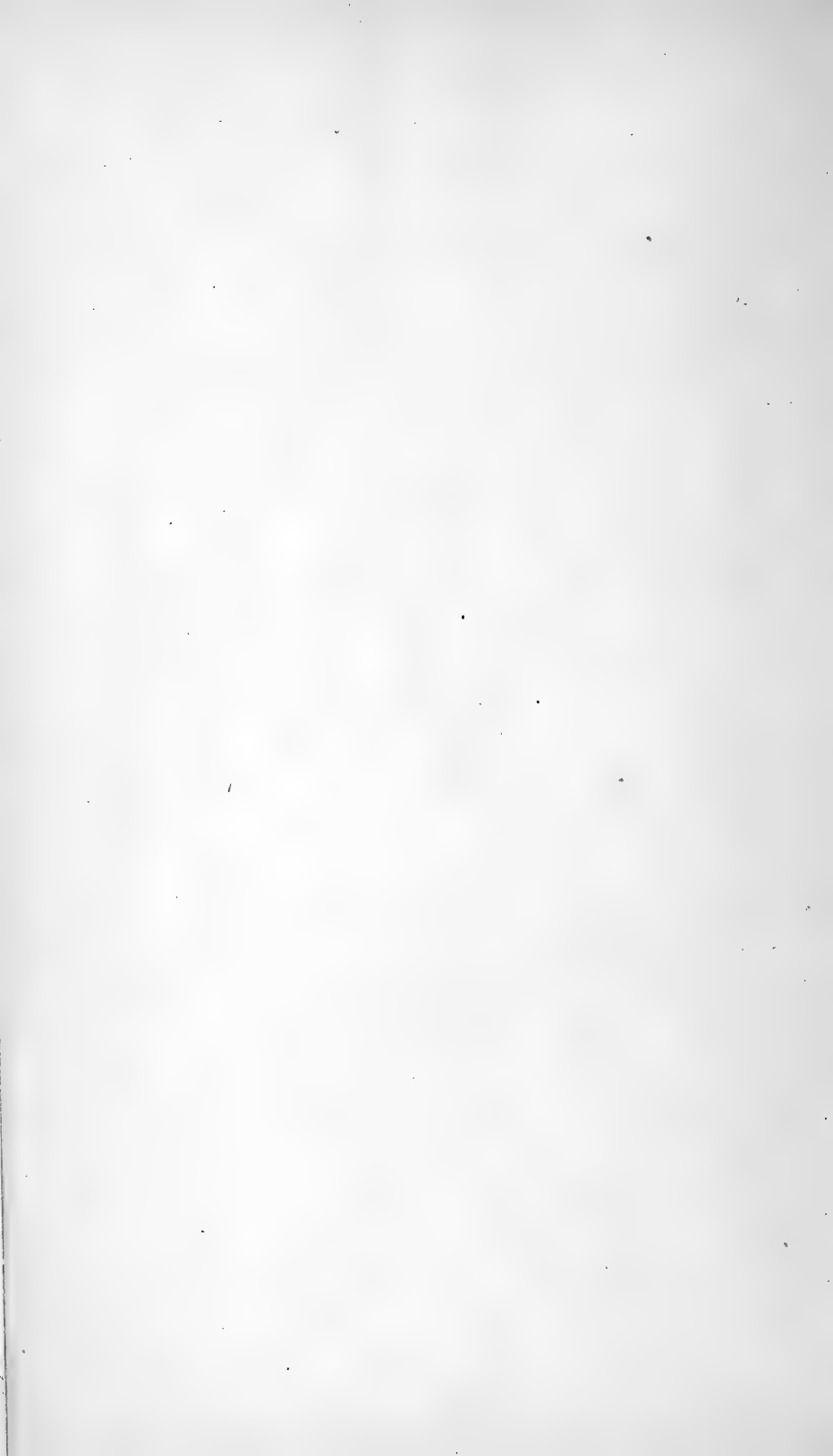
59 undulata (Anodonta), Say.

60 undulata (Margaritana), Say.

61 undulatus (Unio), Barnes.

62 ventricosus (Unio), Barnes.

63 verrucosus (Unio), Barnes.



# University of the State of New York

## SCIENTIFIC PUBLICATIONS

**Museum reports.** New York state museum. Annual report, 1847-date. pl. O. Alb. 1848-date.

Average 250 pages a year. *Price for all now in print, 50 cents a volume in paper; 75 cents in cloth.*

**Museum bulletins.** University of the State of New York. Bulletin of the New York state museum. v. 1-2, O. Alb. 1887-date.

*Price to advance subscribers, 50 cents a volume.*

### Volume 1

- 1 Marshall, W: B. Preliminary list of New York unionidæ. 19 p. Mar. 1892. *Price 5 cents.*
- 2 Peck, C: H. Contributions to the botany of the state of New York. 66 p. 2 pl. May 1887. *Price 15 cents.*
- 3 Smock, J: C. Building stone in the state of New York 152 p. Mar. 1888. *Price 30 cents.*
- 4 Nason, F. L. Some New York minerals and their localities. 19 p. 1 pl. Aug. 1888. *Price 5 cents.*
- 5 Lintner, J. A. White grub of the May beetle. 31 p. il. Nov. 1888. *Price 10 cents.*
- 6 Lintner, J. A. Cut-worms. 36 p. il. Nov. 1888. *Price 10 cents.*

### Volume 2

The first six bulletins are paged independently; the numbers of vol. 2 are paged continuously as a single volume.

- 7 Smock, J: C. First report on the iron mines and iron ore districts in the state of New York. 5+70 p. map 58×60 cm. June 1889. *Price 20 cents.*
- 8 Peck, C: H. Boleti of the United States. 96 p. Sept. 1889. *Price 20 cents.*
- 9 Marshall, W: B. Beaks of unionidæ inhabiting the vicinity of Albany, N. Y. 23 p. 1 pl. Aug. 1890. *Price 10 cents.*
- 10 Smock, J: C. Building stone in New York. 210 p. map 58×60 cm., tab. Sept. 1890. *Price 40 cents.*

**Museum memoirs.** University of the State of New York. Memoirs of the New York state museum. v. 1, Q. Alb. 1889. Uniform with the Paleontology.

- 1 Beecher, C: E., and Clarke, J: M. Development of some Silurian brachiopoda. 95 p. 8 pl. Oct. 1889. *Price 80 cents.*

**Natural history.** New York state. Natural history of New York.

28 v. il. pl. maps, Q. Alb. 1842-88.

Divisions 1-5 out of print.

Division 1 De Kay, J. E. Zoology. 5 v. pl. 1842-44.

" 2 Torrey, John. Botany. 2 v. 1843.

" 3 Beck, L. C. Mineralogy. 24+536 p. il. pl. 1842.

" 4 Mather, W. W.; Emmons, Ebenezer; Vanuxem, Lardner; and Hall, James. Geology. 4 v. pl. maps. 1842-43.

" 5 Emmons, Ebenezer. Agriculture. 5 v. il. maps. 1846-54.

**Division 6 Paleontology.** Hall, James. Paleontology of New York. il. pl. sq. Q. Alb. 1847-date. *Bound in cloth.*

v. 1 Organic remains of the lower division of the New York system. 23+338 p. 99 pl. 1847. *Out of print.*

v. 2 Organic remains of the lower middle division of the New York system. 8+362 p. 104 pl. 1852. *Out of print.*

v. 3 Organic remains of the Lower Helderberg group and the Oriskany sandstone. pt. 1, text. 12+532 p. 1859. *Price \$2.50.*

— pt. 2, 143 plates. 1861. *Price \$2.50.*

v. 4 Fossil brachiopoda of the Upper Helderberg, Hamilton, Portage and Chemung groups. 11+1+428 p. 69 pl. 1867. *Price \$2.50.*

v. 5, pt. 1 Lamellibranchiata 1. Monomyaria of the Upper Helderberg, Hamilton and Chemung groups. 18+268 p. 45 pl. 1884. *Price \$2.50.*

— Lamellibranchiata 2. Dimyaria of the Upper Helderberg, Hamilton, Portage and Chemung groups. 62+293 p. 51 pl. 1885. *Price \$2.50.*

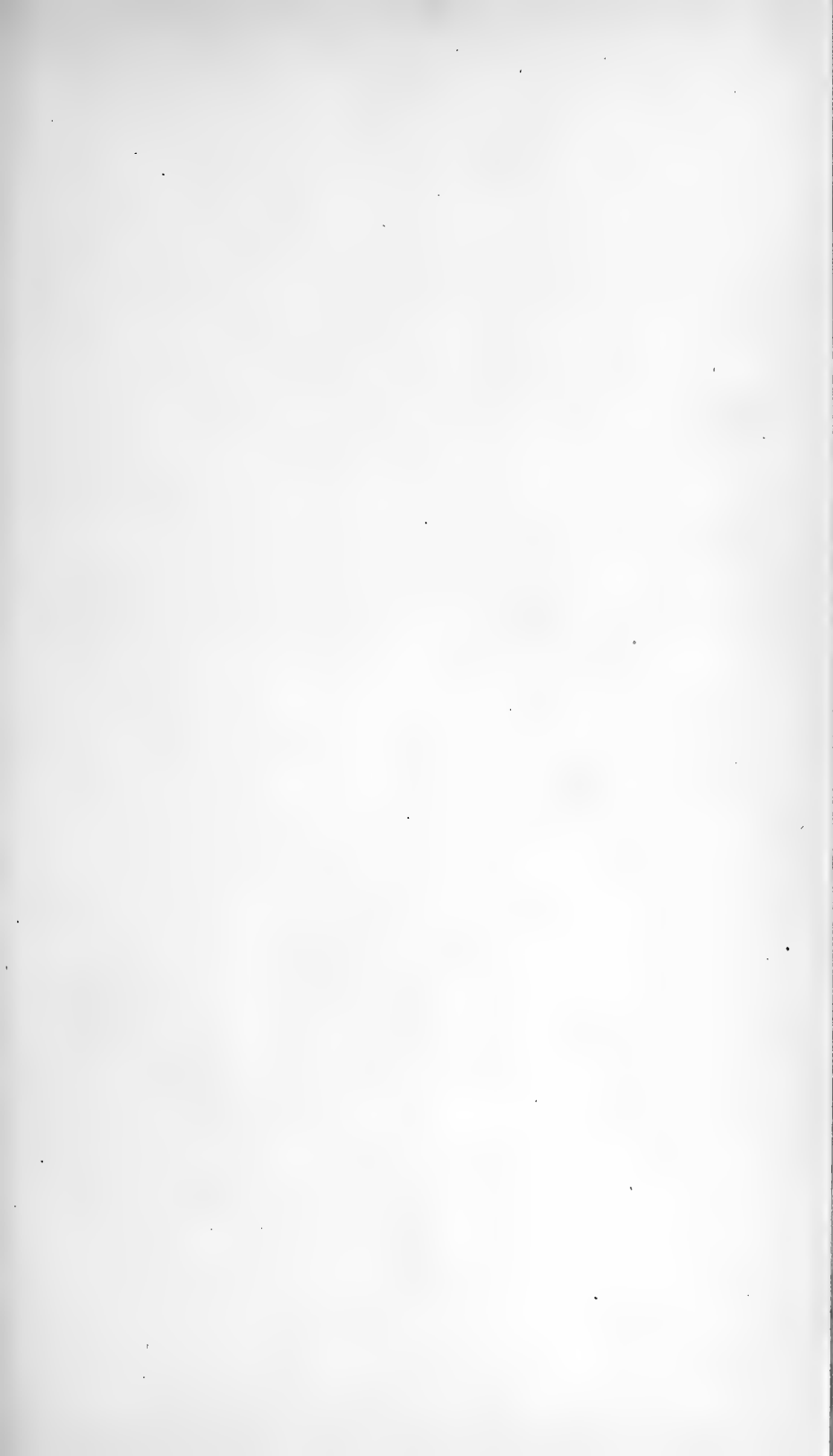
— pt. 2. Gasteropoda, pteropoda and cephalopoda of the Upper Helderberg, Hamilton, Portage and Chemung groups. 2 v. 1879. v. 1, text, 15+492 p. v. 2, 120 plates. *Price \$2.50 for 2 v.*

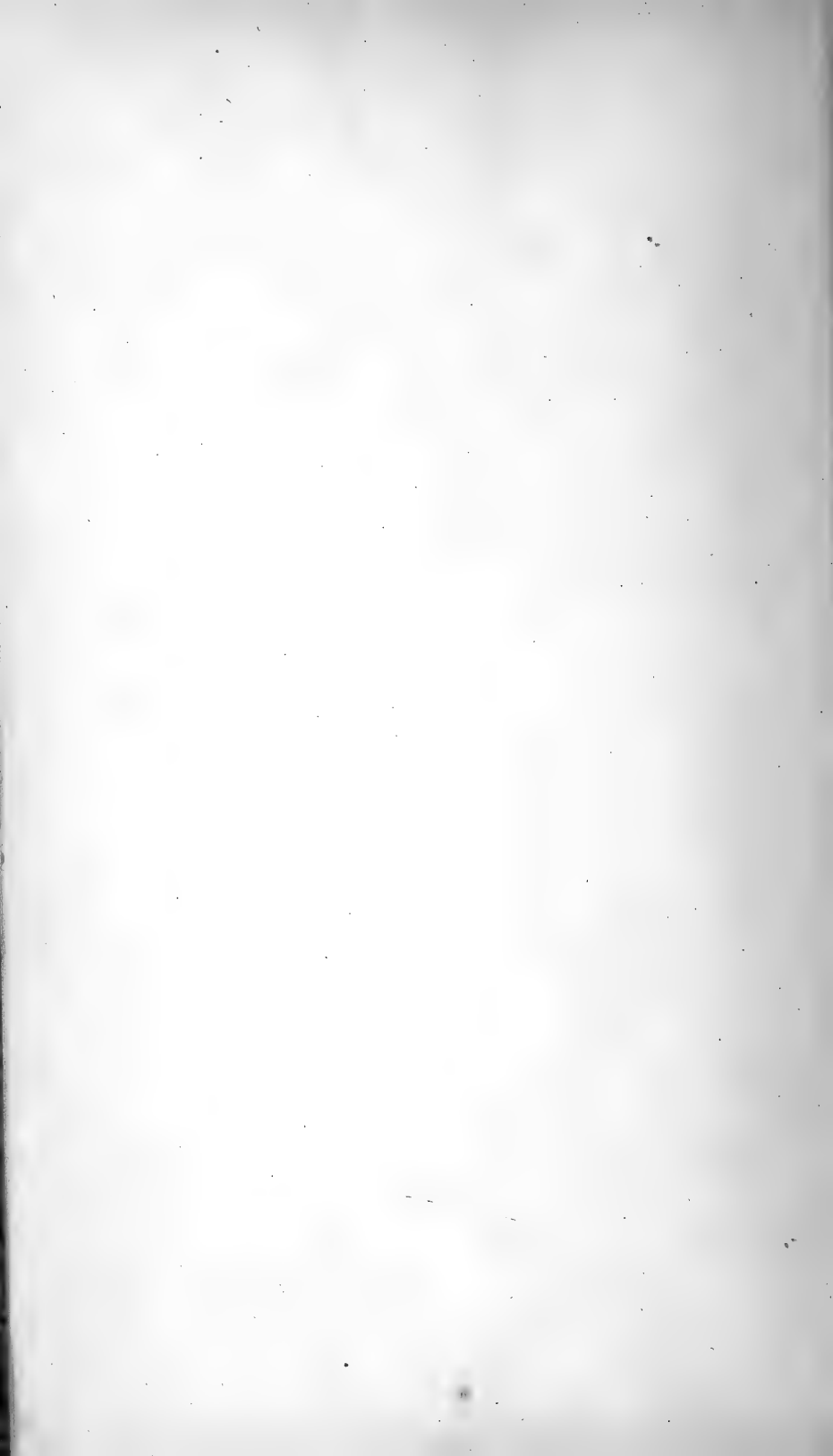
v. 6 Corals and bryozoa of the Lower and Upper Helderberg and Hamilton groups. 26+298 p. 67 pl. 1887. *Price \$2.50.*

v. 7 Trilobites and other crustacea of the Oriskany, Upper Helderberg, Hamilton, Portage, Chemung and Catskill groups. 64+236 p. 46 pl. 1888. Cont. supplement to v. 5, pt. 2, Pteropoda, cephalopoda and annelida. 42 p. 18 pl. 1888. *Price \$2.50.*

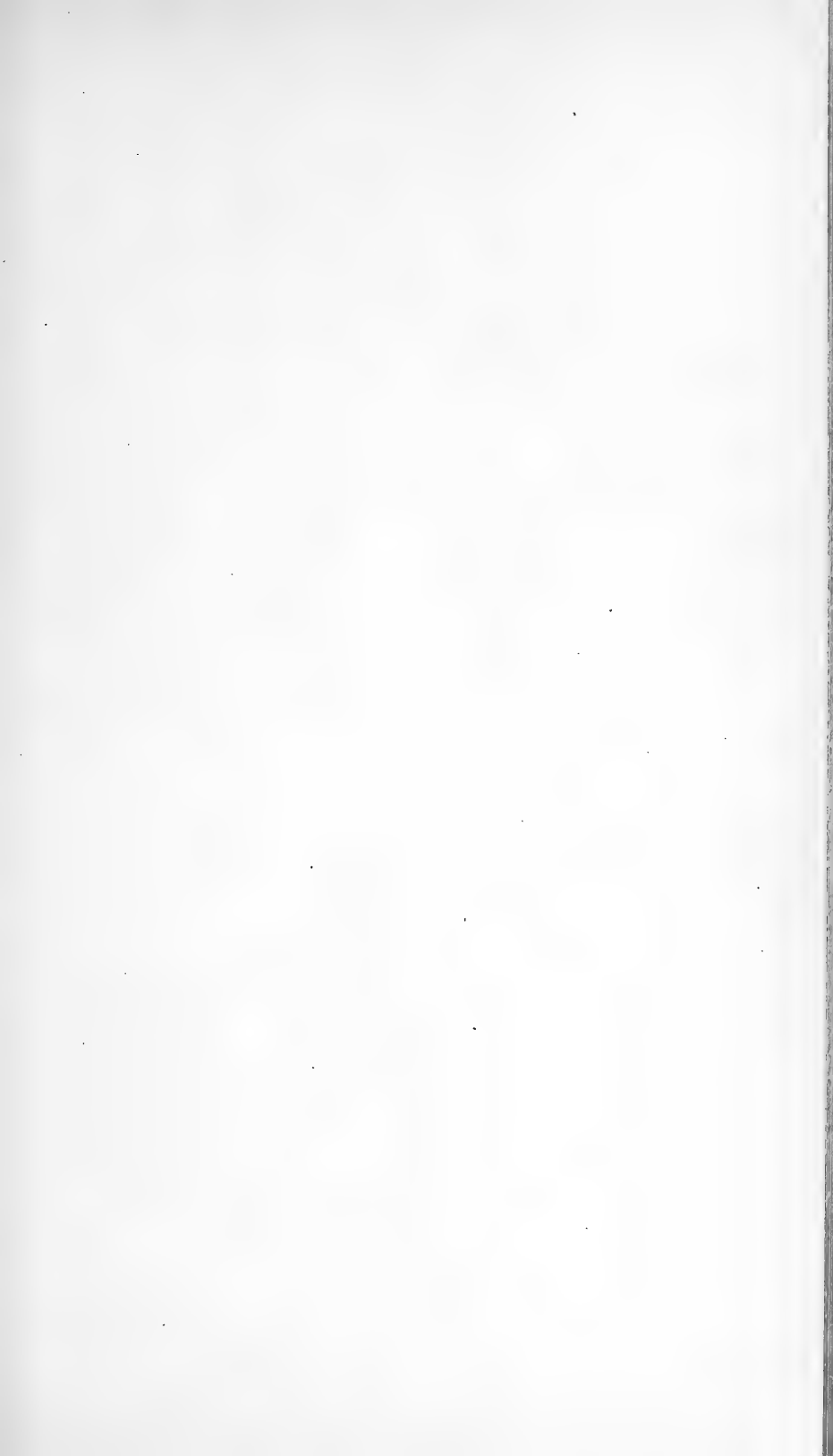
v. 8, pt. 1 Introduction to the study of the genera of the paleozoic brachiopoda. In press. *Price \$2.50.*

— pt. 2. In progress.



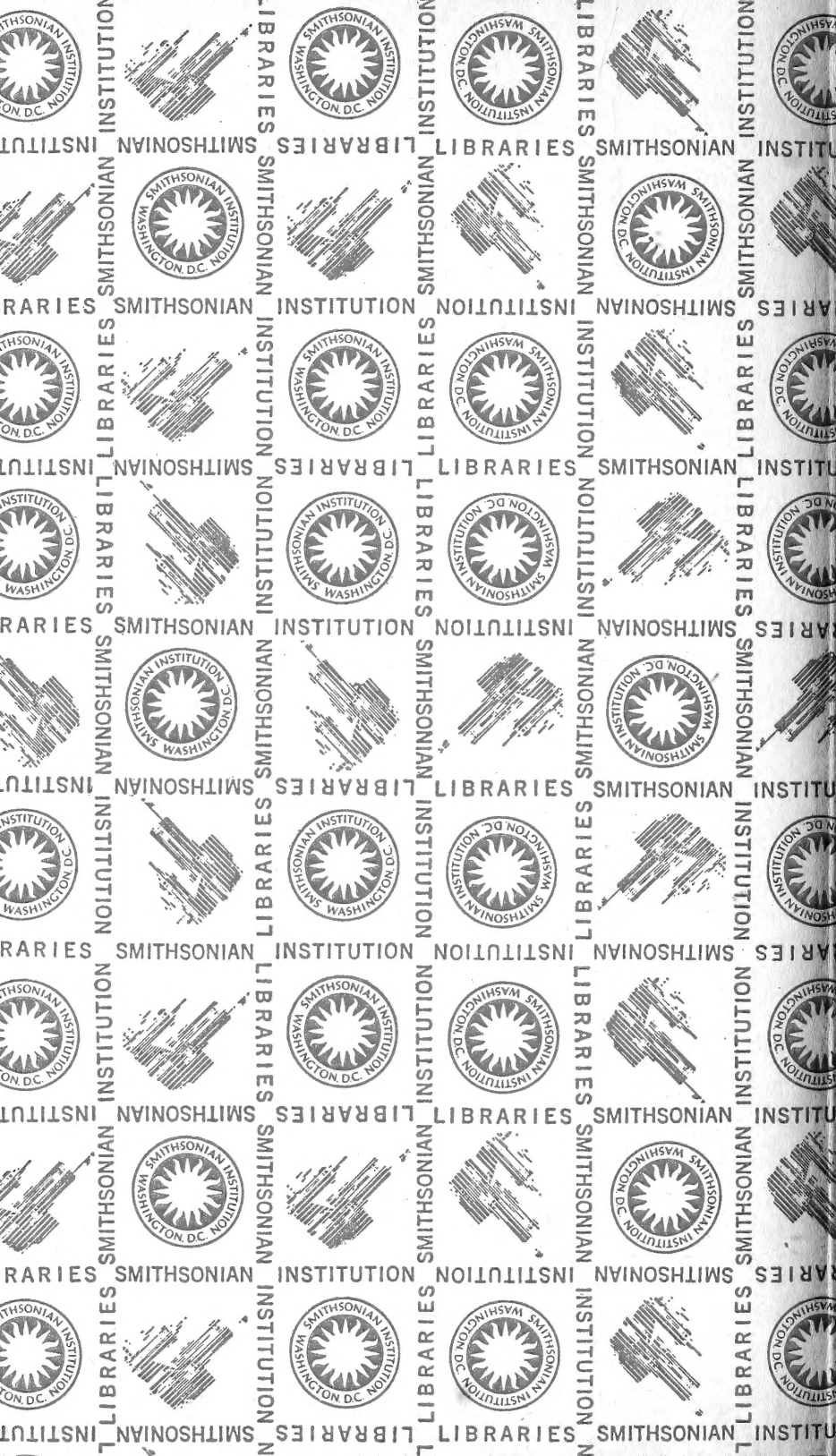


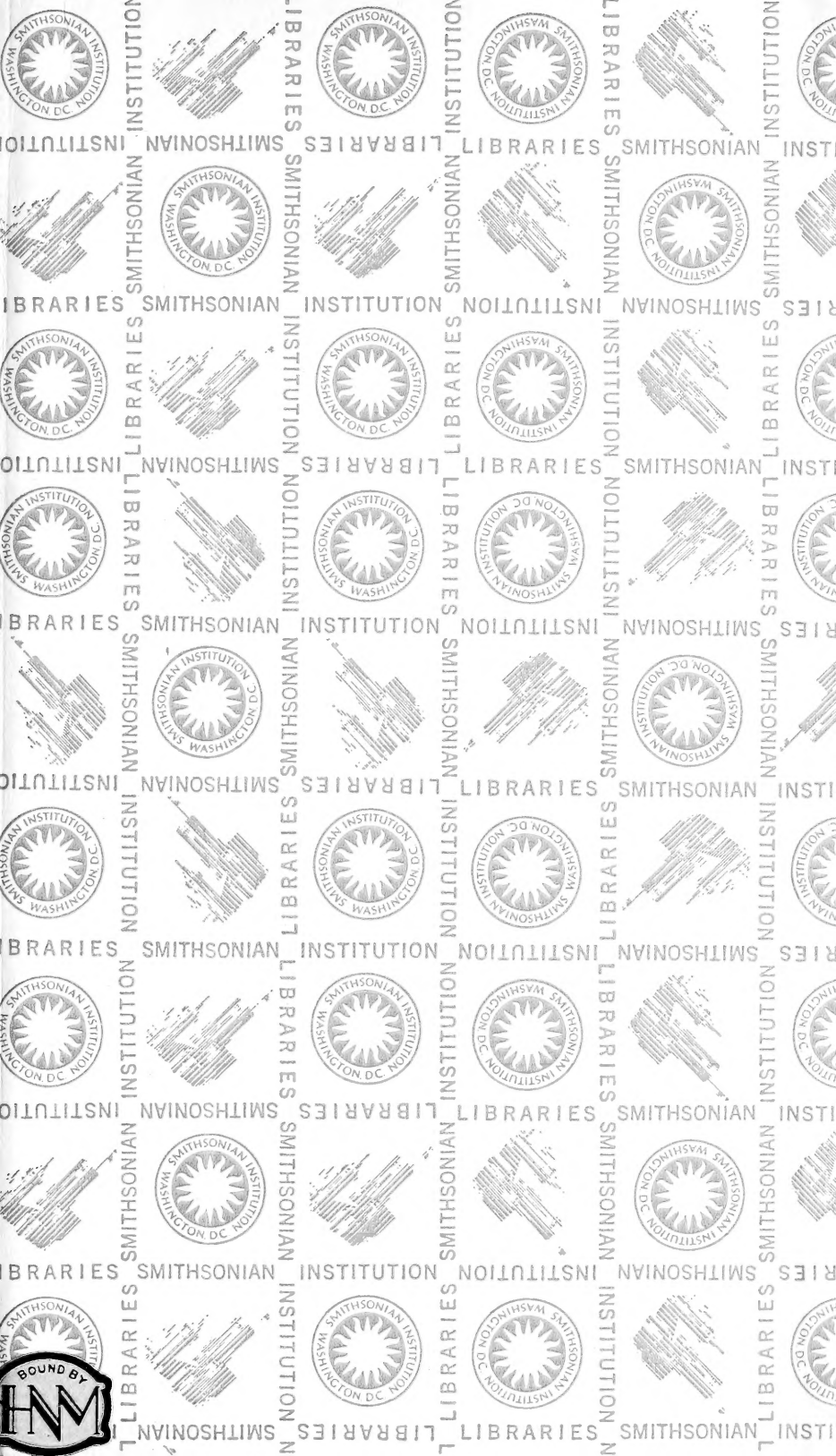












SMITHSONIAN INSTITUTION LIBRARIES



3 9088 01300 6358